

29 JUL 1977

MEMORANDUM FOR: Director of Logistics

VIA: Chief, Real Estate and Construction Division, OL

FROM: [REDACTED]  
OL Project SAFE Coordinator

SUBJECT: Ongoing Efforts in Support of SAFE and ADSTAR

1. Current discussions relating to fiscal reprogramming or possible termination of Project SAFE have prompted an assessment of ongoing FY 1977 projects in support of Project SAFE and, as it may be affected, Project ADSTAR. The single greatest impact on major RECD projects in the event of cancellation of Project SAFE would be the project delays resulting from the loss of prospectus exemption status for the 2500 kW generator installations and the expansion of C Vault. Following is a brief status of these efforts, the respective effect of cancellation or delay, and management decisions which are required for each alternate course of action.

2. SAFE 2500 kW Generator (third unit):

a. The installation of the 2500 kW generator for Project SAFE has been combined with the ODP Expansion 2500 kW generator into one construction project with the General Services Administration (GSA) to minimize cost and long-term disturbances to the Headquarters Building emergency generating capability. The facilities plans have been recently redesigned for the concurrent site preparation and installation of two 2500 kW generators. Work authorizations totalling \$1,472,300 (including \$569,705 of FY 1977 Project SAFE funds) have been forwarded to GSA. The second generator is already onsite and its installation delayed pending approval of plans by GSA for the third generator.

b. While the actual purchase of the SAFE or third generator (presently planned for FY 1978, \$400,000) may be delayed 12 to 18 months (incurring \$100,000 to \$200,000 additional costs due to inflation and separate installation and start-up costs), it is highly recommended that the site preparation and switchgear installation for the third unit proceed as planned. The addition of a third 2500 kW generator,

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without SAFE, is still highly beneficial to the Headquarters Complex. The effect of extended loss of the Headquarters emergency power generating capability as a result of two separate generator installations could be catastrophic to ODP or Commo.

c. It is anticipated that GSA will be awarding the construction contract in October 1977. The loss of the SAFE "prospectus exemption" mantle would cause a 12 - 24-month delay in the installation of the ODP generator if the formal prospectus procedure is required. It must be noted that the existing 2500 kW generator is overloaded and supplemental generating capacity could be utilized immediately.

3. Expansion of C Vault:

a. The redesign of Electrical Vault C to increase the total capacity by 3,000 kVA to support the SAFE concentrated load is nearing completion. Funds in the amount of \$700,000 (FY 1977 OL funding) have been transferred to GSA for construction.

b. The original 2,000 kVA expansion was included in the OL FY 1977 budget to meet the increased electrical demand in the northeast quadrant of the Headquarters Building as forecasted by RECD. This increased electrical capacity is required with or without SAFE and being separately funded by the Office of Logistics should proceed as planned. However, the design of the secondary distribution switchgear configuration for general office support would utilize a large number of low capacity electrical circuit breakers; whereas, this configuration to support the concentrated load of Project SAFE would utilize relatively few large capacity circuit breakers. A decision point will be reached in August 1977 necessitating a management decision on which configuration is to be implemented.

c. The Project SAFE completion schedule is the driving force for the early completion of the C Vault Expansion; consequently, the decision relative to the configuration alternative could be delayed and track any major decision process on Project SAFE. This effort should continue as planned if SAFE is continued.

d. Should SAFE be put into a long-term holding mode or cancelled, it is recommended that the 3,000 kVA capacity design be implemented with a modified secondary distribution, i.e. a general office secondary vice the concentrated load center.

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The redesign would cost less than \$5,000 and offers the larger capacity with the flexibility, in the event of a revived Project SAFE or some other unidentified major facility located in the northeast quadrant, to provide power from C Vault by the removing the "office distribution" switchgear and replacing it with larger capacity circuit breakers at some future time. It is "guessed" that \$150,000 to \$250,000 would be required for such a reconfiguration of the secondary distribution. The switchgear removed could be reused elsewhere in the building. Similar to the installation of the 2500 kW generators, loss of "prospectus exemption" would seriously delay the expansion of C Vault if the formal prospectus procedure is required.

4. SAFE Facilities Design:

a. GSA has responded to this Agency's scope of work for architect-engineering services for the Project SAFE facilities, and has been proceeding on an expedited basis to award a design contract to meet the stated completion date of July 1979. It is anticipated that this GSA contract will be awarded on or about 15 August 1977. Funds in the amount of \$108,200 were transferred to GSA early in FY 1977.

b. The arguments as to whether to proceed with the design is also academic based on the uncertainty of timing or possible location of the Project SAFE computer center. On the basis that SAFE is to continue and be located at the Headquarters Building, even with another short-term delay, it is recommended that the design proceed as planned.

c. However, should SAFE be terminated and Project ADSTAR continue and be required by December 1978 in the face of shortage of DDI funding; the option is available to revised scope of work at GSA to reflect only ADSTAR requirements and, secondly, reprogram the \$108,200 already at GSA to be used with supplemental funds for both ADSTAR design and construction.

d. If both SAFE and ADSTAR are redirected with major delays or terminated, recovery of all or part of the \$108,200, presumed already billed and paid to GSA, if possible at this time, would require higher management intervention.

5. Project ADSTAR:

a. Project ADSTAR is a separately initiated and funded effort by the DDI and exists with or without SAFE.

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The requirement for imagery storage and retrieval by SAFE on Project ADSTAR necessitates the addition of a Uninterruptible Power Supply (UPS) power module to the SAFE UPS system (\$100,000 FY 1979). Without SAFE, no UPS requirement exists and the estimated total cost of ADSTAR facilities would be reduced to \$230,000. A work authorization transferring \$25,000 (DDI FY 1977) for A&E design services [to be added to the funds (\$108,200) already transferred to GSA for SAFE] was prepared; however, it is being held, unsigned, by the Director of Central Reference as of 28 July 1977.

b. OCR appears to be in a financial bind in their attempts to initiate a developmental contract for the ADSTAR system at a cost higher than budgeted FY 1977 resources with only 2 months remaining for fiscal reprogramming. Presuming a severely delayed or terminated Project SAFE, the reprogramming of the \$108,200 already at GSA as previously mentioned in paragraph 4c, for ADSTAR facilities would reduce the unidentified funding required to \$96,800 in FY 1978 (presuming the release and approval of the \$25,000 work authorization mentioned in paragraph 5a). Project ADSTAR has been previously mentioned as exempt from prospectus as an Agency budget line item.

6. The alternatives presented herein appear to offer the maximum flexibility to any major SAFE and/or ADSTAR project redirection or termination. The key project recommendations to continue the site preparation for two additional 2500 kW generators and the expansion of C Vault are reinforcements of previous project presentations and subsequent discussions with you and the DDA. The matter of prospectus regarding these two facilities projects, presuming loss of the SAFE exemption, bears heavily on the time required for completion. The key technical directive is the decision as to which secondary electrical distribution configuration is to be implemented in the next phase of the C Vault Expansion in August 1977. Should any additional discussion be required, I am available at your convenience.

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